

Gibraltar SC-4400

Gibraltar SC-4400 Internal Tone Control User Manual

Model: SC-4400

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INTRODUCTION

The Gibraltar SC-4400 Internal Tone Control is designed to provide adjustable dampening for drum heads. This device mounts inside the drum shell, allowing for external adjustment of a felt pad that exerts pressure against the underside of the drum head. This manual provides instructions for proper installation, operation, and maintenance to ensure optimal performance.

SETUP AND INSTALLATION

Proper installation of the SC-4400 Internal Tone Control is crucial for its functionality. This process involves drilling holes into the drum shell.

- 1. Identify Mounting Location:** Choose a suitable location on your drum shell for the tone control. Ensure it does not interfere with other drum hardware or internal components.
- 2. Mark Drilling Points:** The control typically requires drilling four holes in the drum shell: three for mounting bolts and one for the threaded adjustment knob. Carefully mark the precise locations for these holes. Incorrect placement can affect functionality.
- 3. Drill Holes:** Using appropriate drill bits for your drum shell material, carefully drill the marked holes. It is recommended to start with a smaller pilot hole and gradually increase the size to prevent splintering or damage.
- 4. Mount the Control:** Insert the internal mechanism into the drum through the drilled holes. Secure the external adjustment components using the provided bolts and nuts. Ensure all connections are snug but do not overtighten, which could damage the shell.
- 5. Verify Felt Pad Alignment:** Once mounted, check that the felt pad aligns correctly with the underside of the drum head and can move freely to exert pressure.



Image: The Gibraltar SC-4400 Internal Tone Control, showing its external adjustment mechanism and internal felt pad component. This image illustrates the overall design of the unit before installation.

OPERATION

The SC-4400 Internal Tone Control allows for quick and precise dampening adjustments to your drum sound.

- **Engaging/Disengaging Dampening:** The external mechanism typically features a two-winged knob or lever. A quick twist of this knob allows you to engage or disengage the felt pad from the drum head, effectively turning the dampening on or off.
- **Fine-Tuning Dampening:** For more precise control, a round outer dial or threaded knob allows you to adjust the amount of pressure the felt pad applies to the drum head. Turning the dial clockwise generally increases pressure (more dampening), while turning it counter-clockwise decreases pressure (less dampening).
- **Adjusting Pressure:** You can achieve various levels of dampening, from slight pressure for subtle overtone control to heavier pressure for a more muted sound. These adjustments can be made instantly during play.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tone control.

- **Cleaning:** Periodically wipe down the external components with a soft, dry cloth to remove dust and grime. Avoid using harsh chemicals that could damage the finish or plastic parts.

- **Felt Pad Inspection:** Inspect the felt pad for wear, compression, or damage. If the felt becomes excessively worn or hard, its dampening effectiveness may decrease, and replacement might be necessary.
- **Hardware Check:** Ensure all mounting bolts and nuts remain securely tightened. Loose hardware can lead to rattling or instability.
- **Lubrication:** If the adjustment mechanism feels stiff, a small amount of silicone-based lubricant can be applied to moving parts, avoiding contact with the felt pad.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Felt pad does not move or has limited range.	Internal mechanism obstructed; mounting bolts overtightened; plastic components binding.	Check for obstructions inside the drum. Loosen mounting bolts slightly. Inspect plastic parts for proper fit and alignment.
Rattling sound from the tone control.	Loose mounting hardware; internal components vibrating.	Ensure all mounting bolts and nuts are securely tightened. Check if the internal mechanism is making contact with the drum shell or other components.
Insufficient dampening effect.	Felt pad worn or compressed; incorrect adjustment; pad not making full contact.	Adjust the external dial to increase pressure. Inspect the felt pad for wear and consider replacement if necessary. Verify the pad makes even contact with the drum head.

SPECIFICATIONS

- **Model:** SC-4400
- **Brand:** Gibraltar
- **Body Material:** Felt
- **Item Weight:** 0.25 ounces (approximately 7 grams)
- **Product Dimensions (L x W x H):** 6.9 x 6.9 x 2 inches (approximately 17.5 x 17.5 x 5 cm)
- **UPC:** 736021279520
- **Manufacturer:** KMC Music Inc
- **First Available:** June 8, 2005

WARRANTY AND SUPPORT

Specific warranty information for the Gibraltar SC-4400 Internal Tone Control is not provided in this manual. For details regarding warranty coverage, terms, and conditions, please refer to the official Gibraltar website or contact Gibraltar customer support directly. Keep your purchase receipt as proof of purchase.

For technical assistance or further inquiries, please visit the [Gibraltar Hardware website](#) or consult your authorized dealer.

